



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Scott P. Gary**

Docket: **TI-31759**

Serial No.: **09/822,748**

Art Unit: **TBD**

Filed: **03/30/2001**

Examiner: **TBD**

For: **Using Remote Procedure Calls to Manager Co-Processor Resources**

**TRANSMITTAL OF FORMAL DRAWINGS**

July 3, 2001

Assistant Commissioner For Patents  
Attn: Official Drafts Person  
Washington, DC 20231

**MAILING CERTIFICATE UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, DC 20231.

Elizabeth Austin

Date

Dear Sir:

Submitted herewith are 7 sheets of formal drawings.

The enclosed drawings are being submitted in a timely manner, therefore, no additional fee is necessary.

Respectfully submitted,

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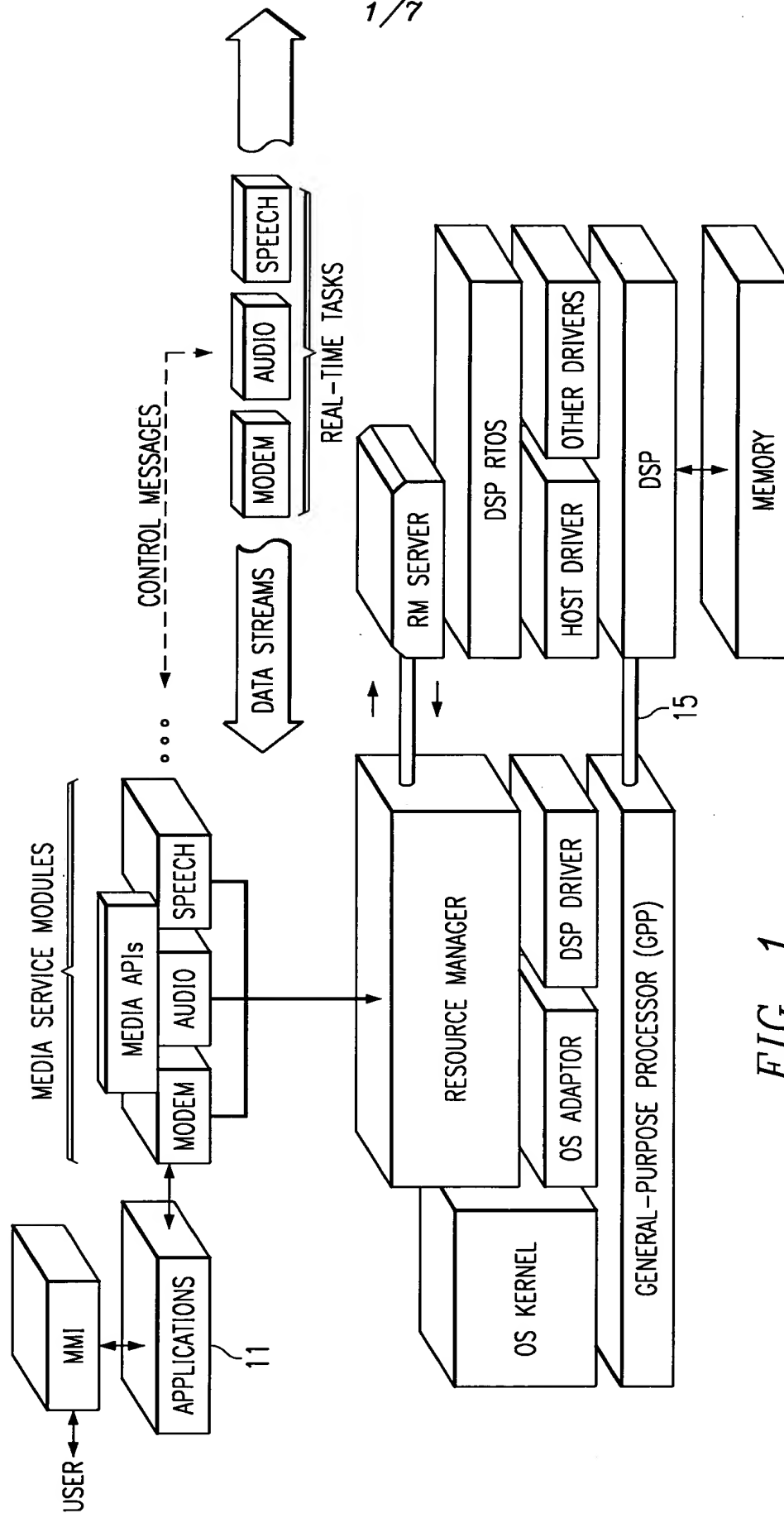


FIG. 1

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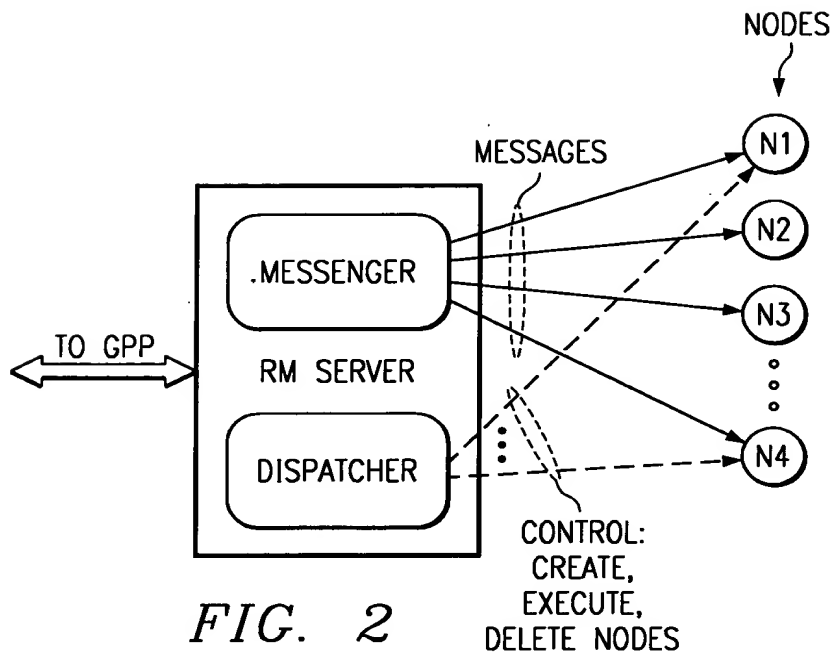


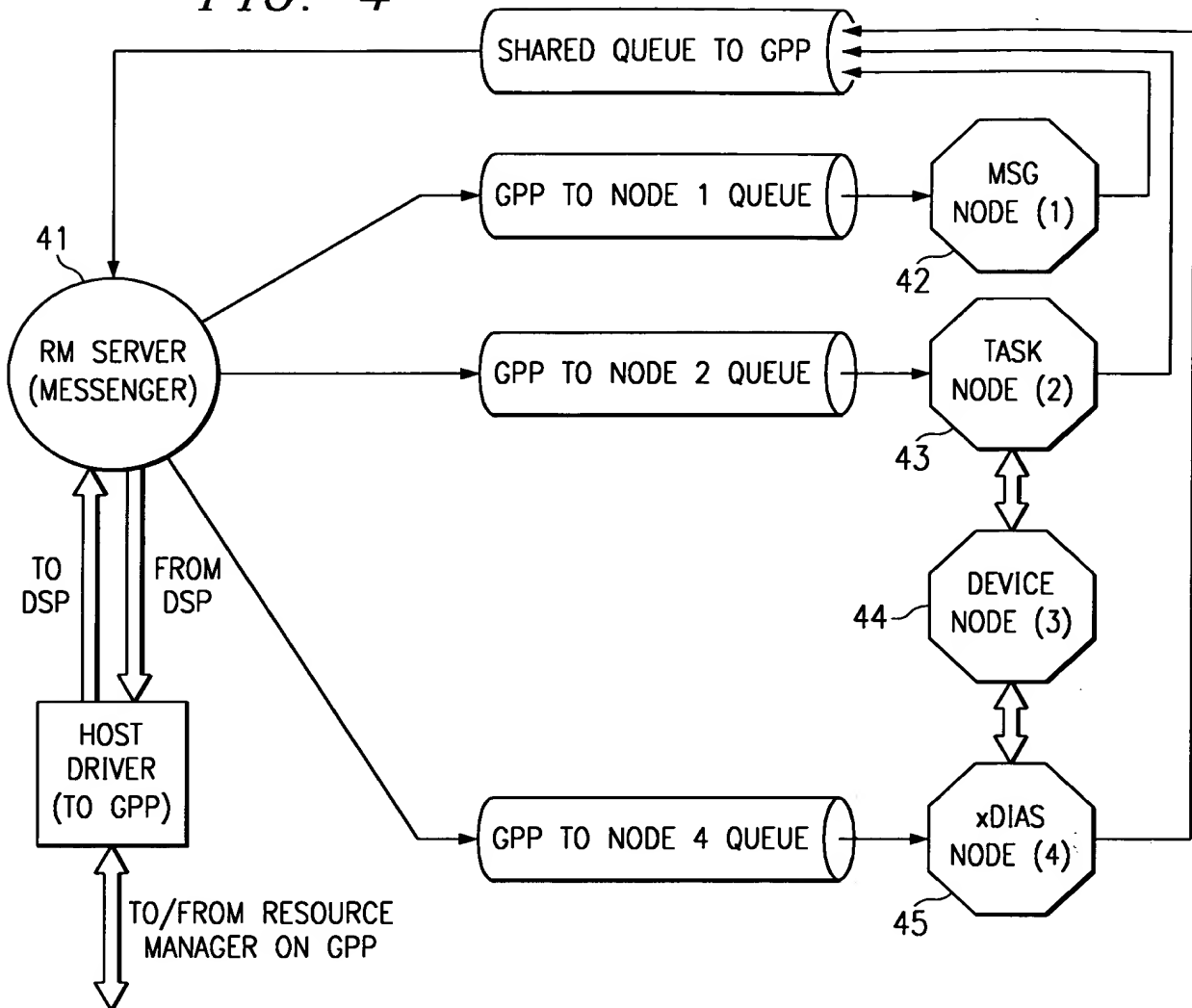
FIG. 2

SERVER FUNCTION	PURPOSE
RMS_queryServer	ALLOW GPP TO QUERY SERVER INFORMATION
RMS_configureServer	ALLOW GPP TO SET SERVER CONFIGURATION PARAMETERS
RMS_createNode	CREATE A MESSAGE, TASK, OR xDAIS SOCKET NODE
RMS_executeNode	LAUNCH A NODE INTO ITS EXECUTE PHASE
RMS_deleteNode	DELETE A NODE'S RESOURCES
RMS_changeNodePriority	CHANGE EXECUTION PRIORITY OF A NODE
RMS_readMemory	READ A WORD OF DSP MEMORY
RMS_writeMemory	WRITE A BLOCK OF DSP MEMORY

FIG. 3

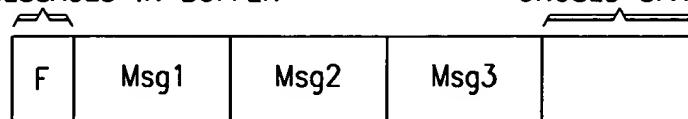
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FIG. 4



CONTENT FLAG: NON-ZERO =  
NUMBER OF MESSAGES IN BUFFER

UNUSED SPACE



MESSAGE CONTENTS:

Cmd

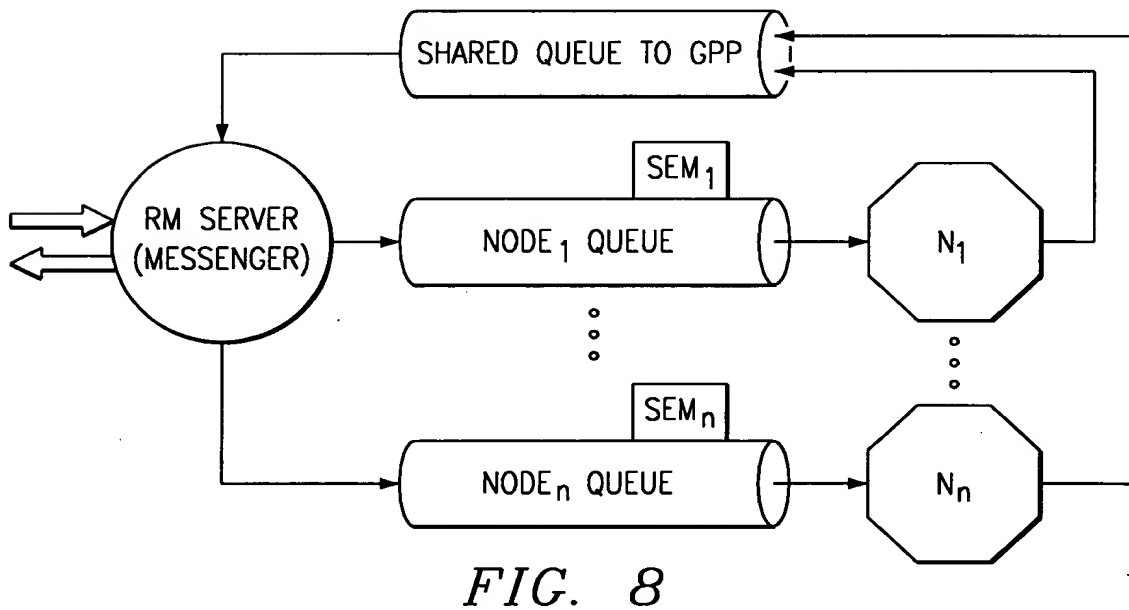
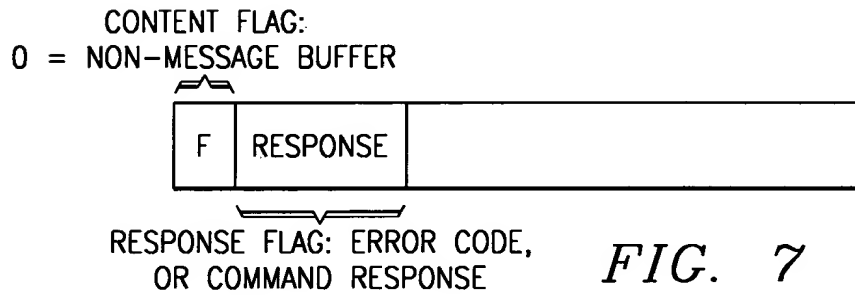
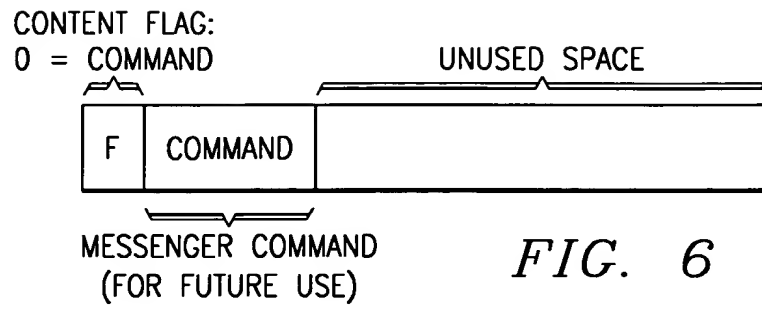
Arg1

Arg2

NODE ENVIRONMENT

FIG. 5

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FIG. 9

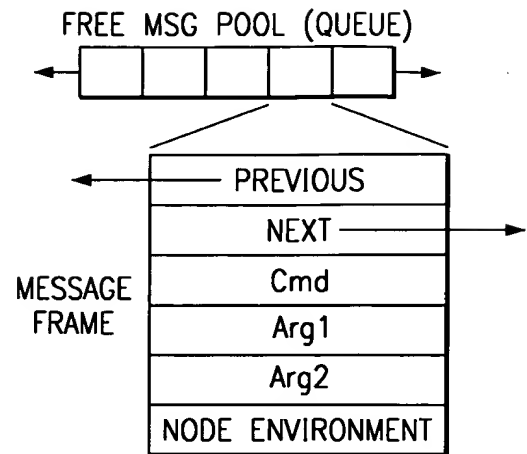
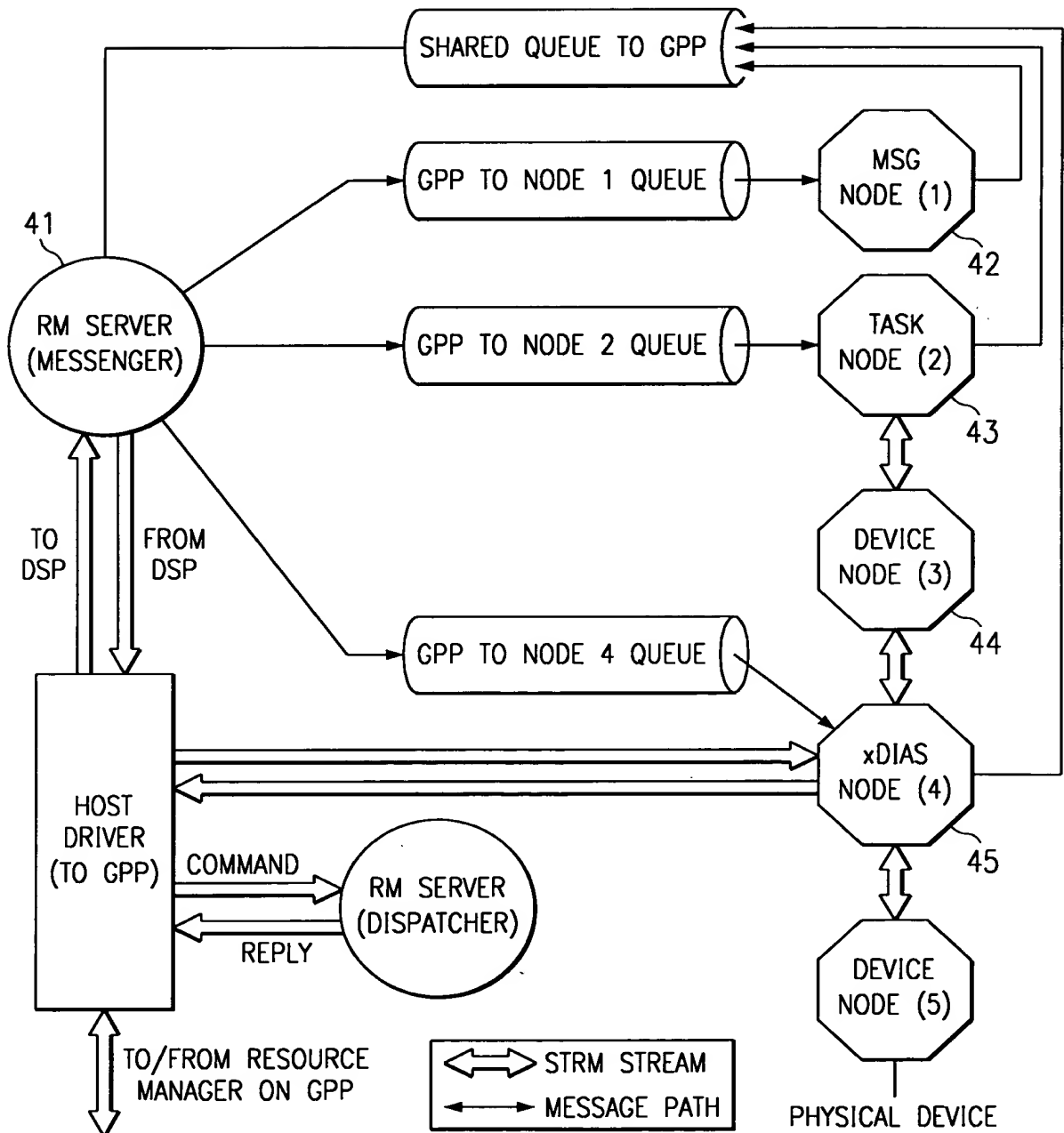


FIG. 10



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COMMAND FIELD (32-BITS)	CONTENTS
fxn	ADDRESS OF SERVER FUNCTION TO EXECUTE
arg1	SERVER FUNCTION ARGUMENT 1
arg2	SERVER FUNCTION ARGUMENT 2
data[]	FUNCTION-SPECIFIC DATA ARRAY

*FIG. 11*

REPLY FIELD (32-BITS)	CONTENTS
RESULT	NODE OR SERVER FUNCTION RETURN CODE
arg1	COMMAND-SPECIFIC RETURN ARGUMENT 1
arg2	COMMAND-SPECIFIC RETURN ARGUMENT 2

*FIG. 12*

SERVER FUNCTION	RESULT	arg1	arg2
RMS_queryServer	QUERIED VALUE	—	—
RMS_configureServer	SUCCESS/FAIL RETURN CODE	—	—
RMS_createNode	nodeCreate RETURN CODE	NODE ENVIRONMENT PTR	—
RMS_executeNode	nodeExecute RETURN CODE, OR COMMAND ACK	—	—
RMS_deleteNode	nodeDelete RETURN CODE	—	—
RMS_changeNodePriority	SUCCESS/FAIL RETURN CODE	—	—
RMS_readMemory	MEMORY CONTENTS	—	—
RMS_writeMemory	SUCCESS/FAIL RETURN CODE	—	—

*FIG. 13*

*FIG. 14* 7/7

RETURN CODE	ENUMERATED VALUE	MEANING
RMS_EOK	0	OK, NO ERROR
RMS_EOUTOFMEMORY	1	MEMORY ALLOCATION FAILURE
RMS_EMEMFREE	2	MEMORY DE-ALLOCATION FAILURE
RMS_EOUTOFIO	3	I/O ALLOCATION FAILURE
RMS_EIOFREE	4	I/O DE-ALLOCATION FAILURE
RMS_ERESOURCE	5	A RESOURCE WAS UNAVAILABLE
RMS_ENOTFOUND	6	SYMBOL OR MODULE NOT FOUND

